

1/16

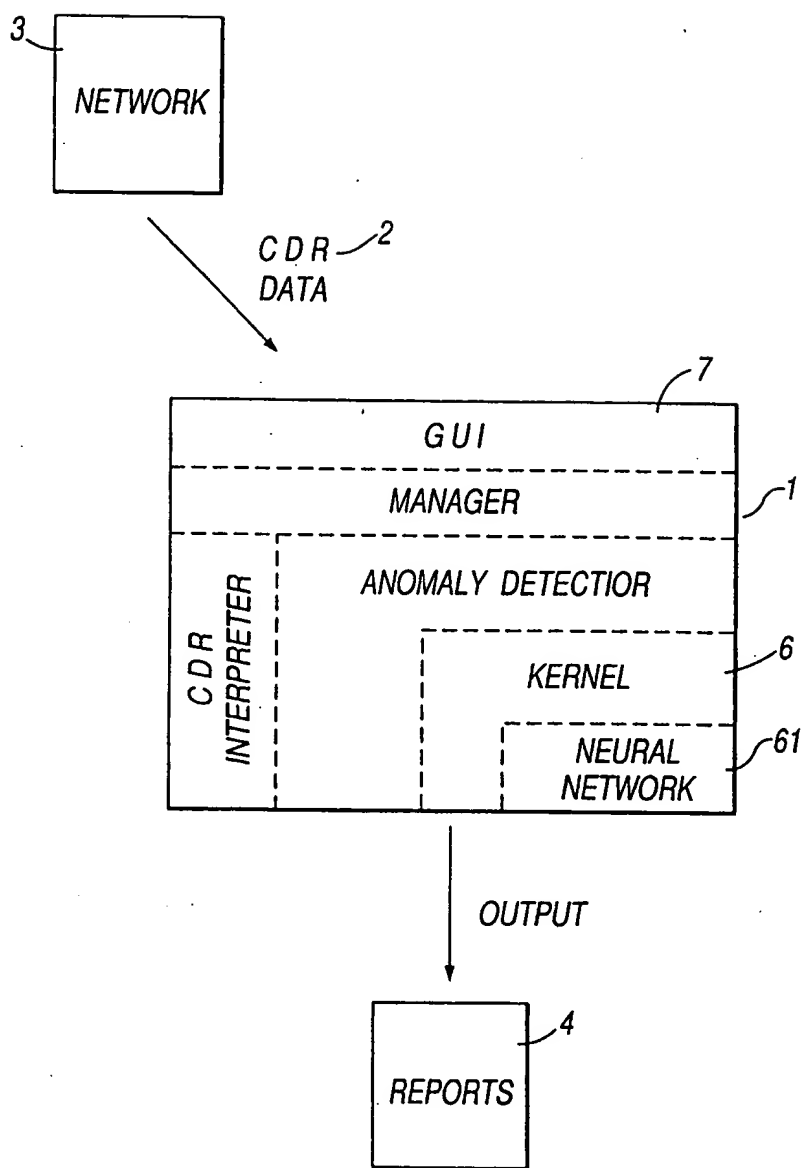


Fig.1

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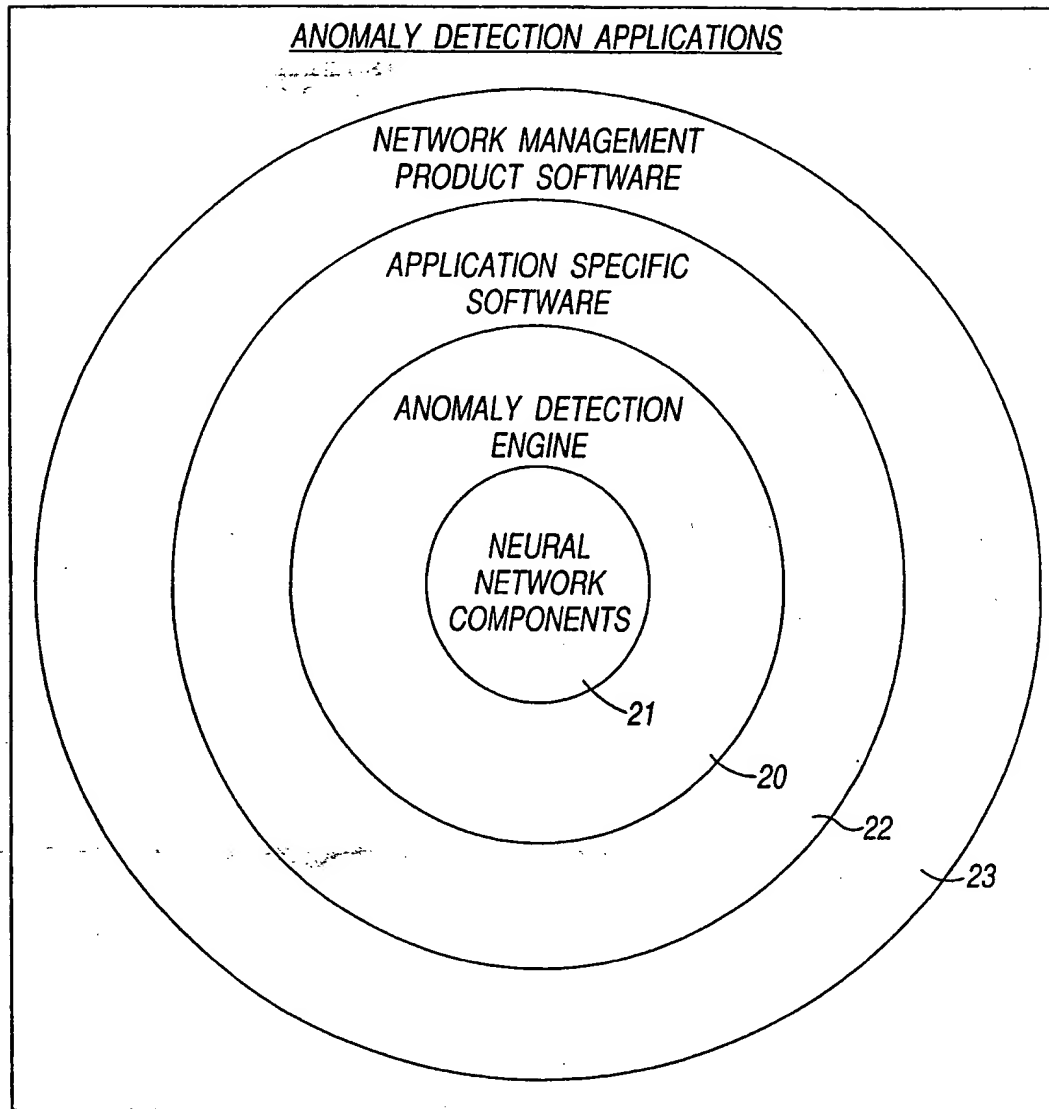
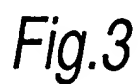


Fig.2



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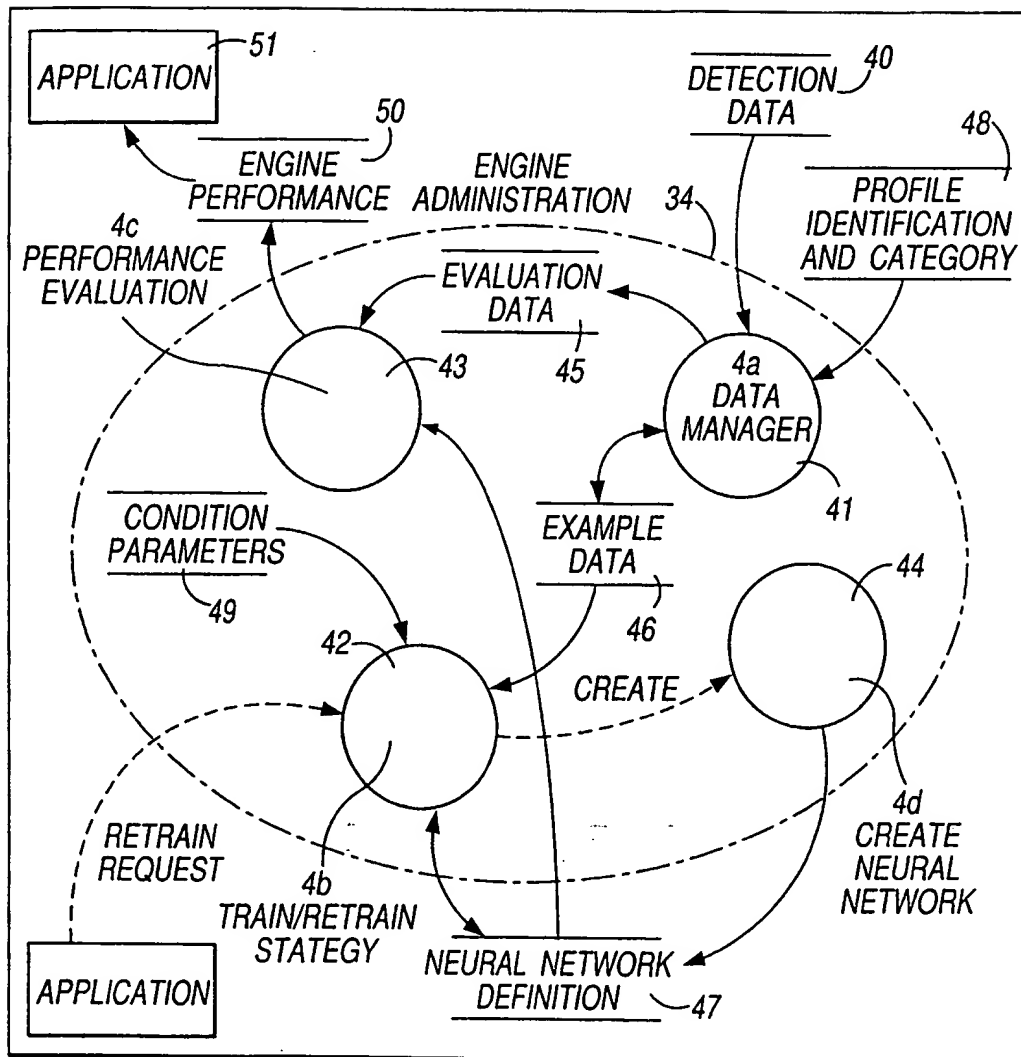


Fig.4

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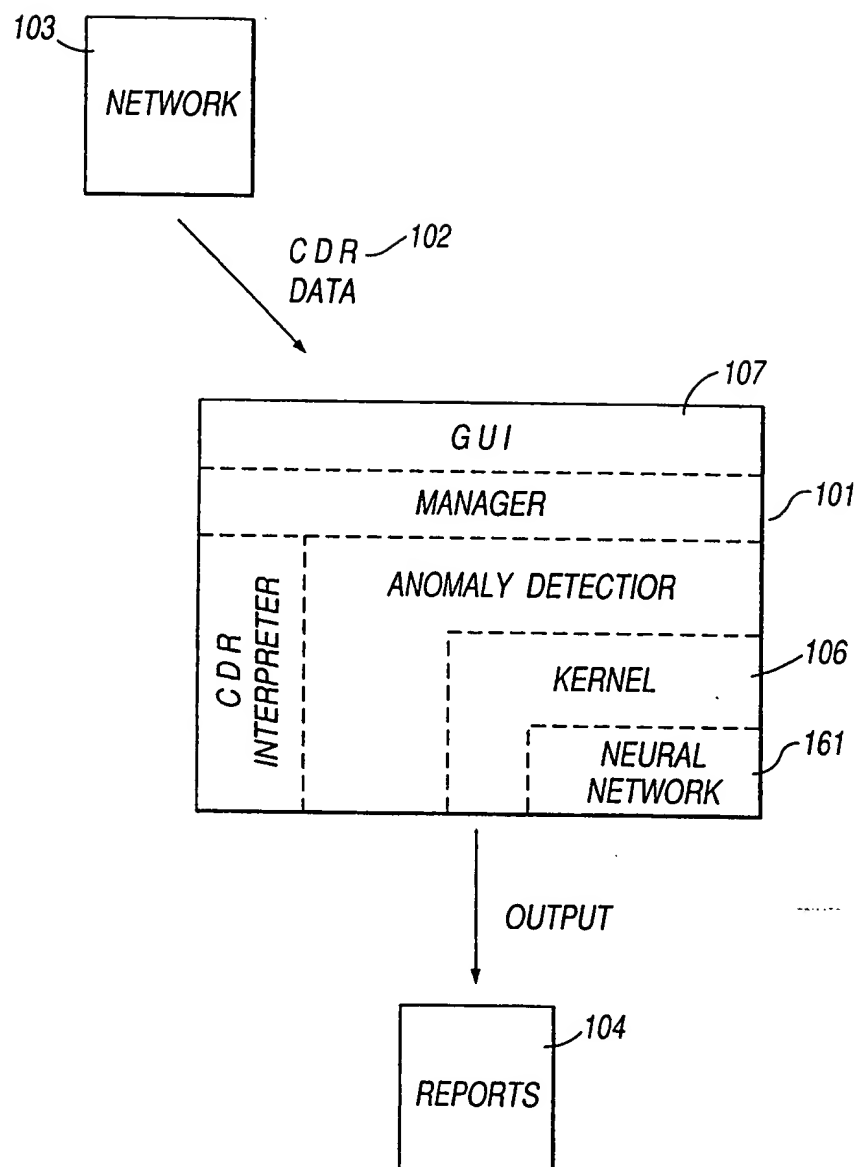


Fig.5

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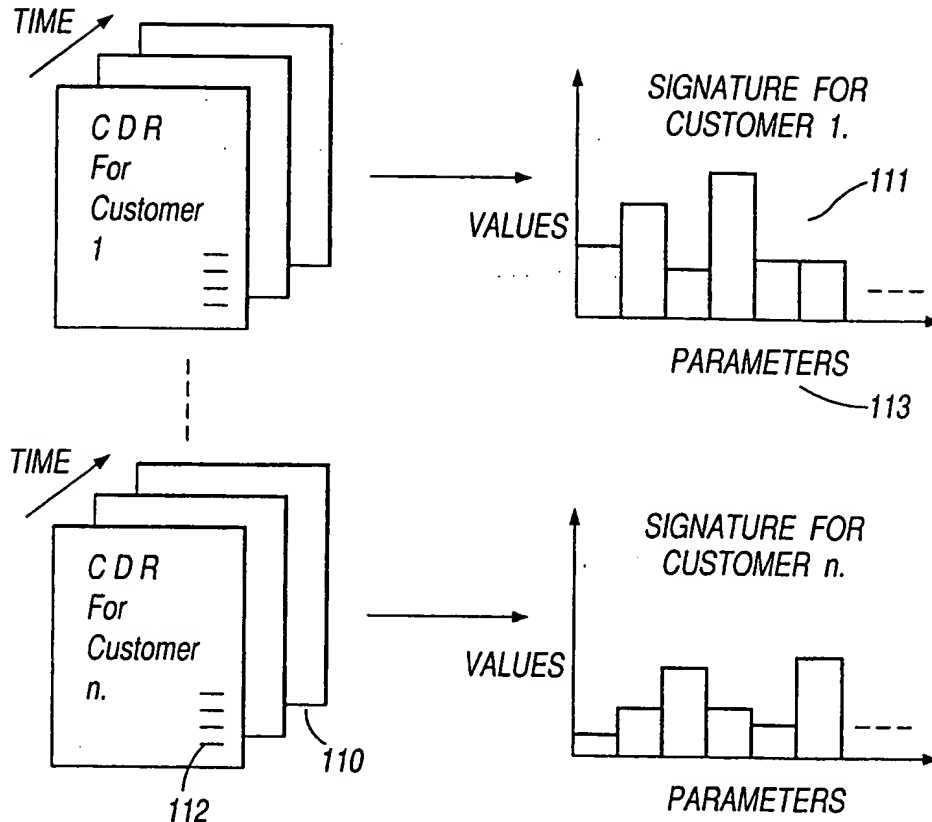


Fig.6

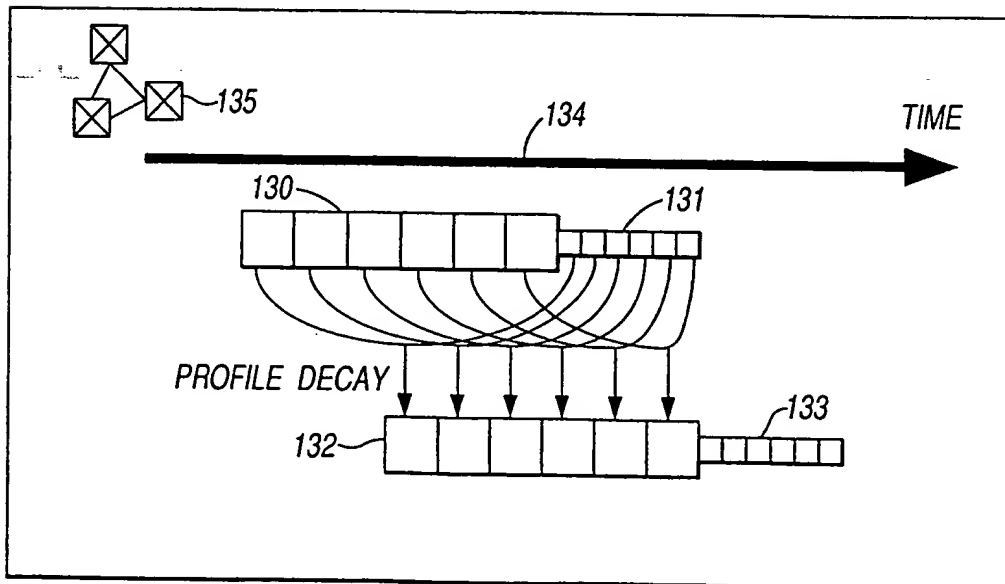


Fig.7

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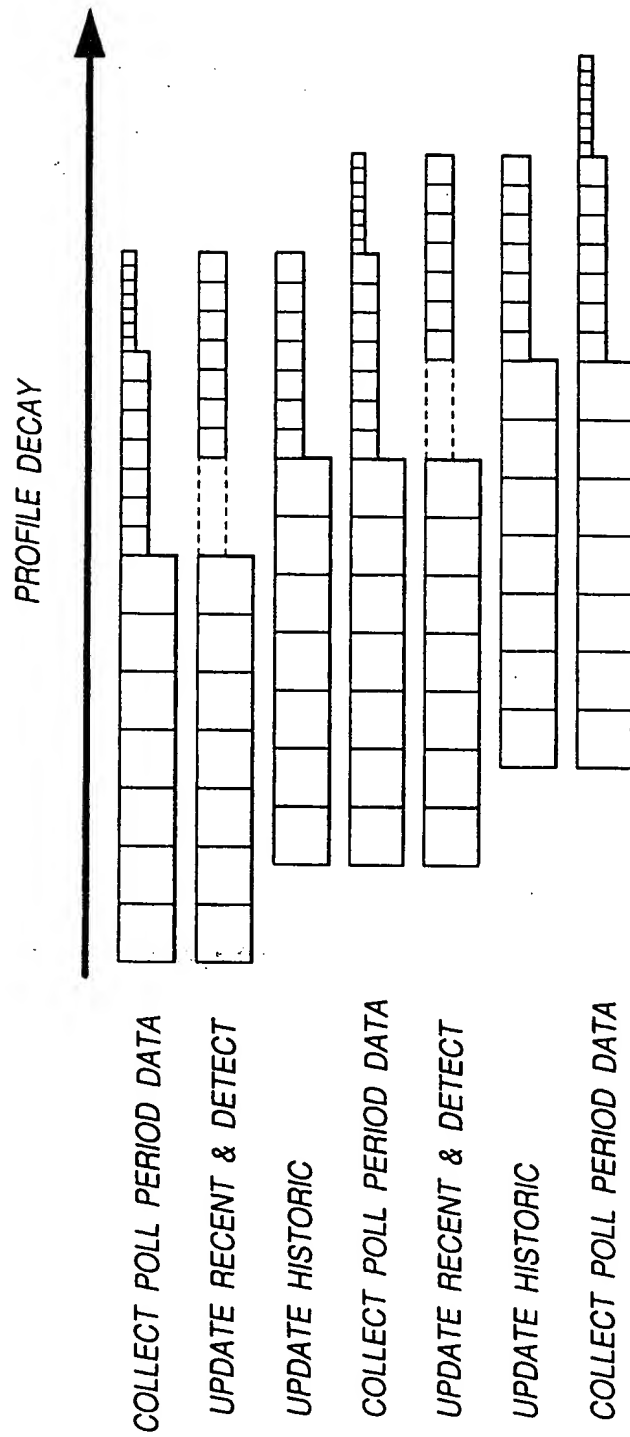


Fig.8

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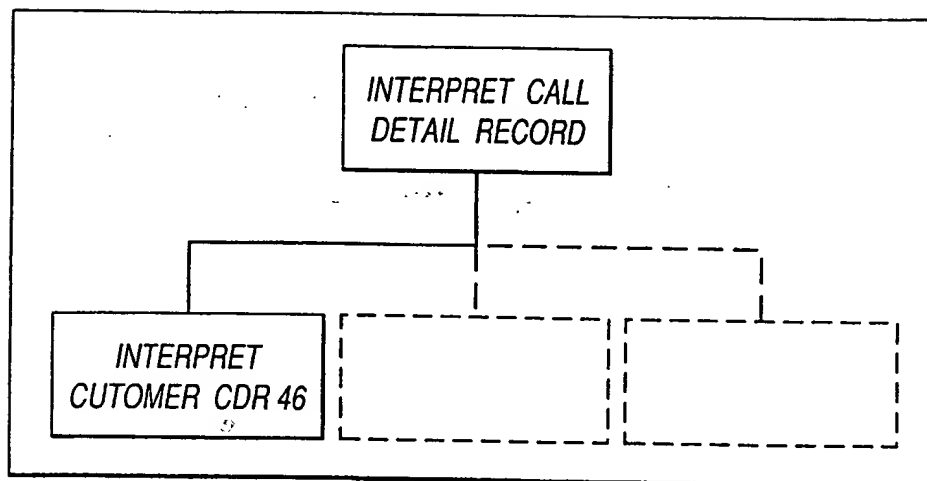


Fig.9

ELEMENT NAME	POSITION (FROM 0)	FORMAT
CALL_START_DT	9	YYYY-MM-DD HH:MM:SS.ss
LONG_DUR_CALL_IND	12	1 — FIRST 6 HOURS 2 — MIDDLE 3 — COMPLETED
SERVICE_FEATURE_CODE	15	00 — OTHER 10 — THREE WAY CALLING 12 — CALL FORWARDING 14 — CALL FORWARD BUSY
ORIG_TEL NO	16	CHAR (24)
CALL_DURATION	20	MMMMSS
ORIG_NNG	22	DDDD
DEST_NNG	23	DDDD
DAY_OF_WEEK	24	1-7 (MON=1, SUN=7)

Fig.10



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ATTRIBUTE NAME	TYPE
AccountNumber	STRING
CallForward	BOOLEAN
LongCall	BOOLEAN
Duration	INTEGER
Destination	ENUM {LOCAL, NATIONAL, INTERNATIONAL}
DayOfWeek	ENUM {MONDAY, TUESDAY, ....., SUNDAY}
CallTime	TIME

Fig.11

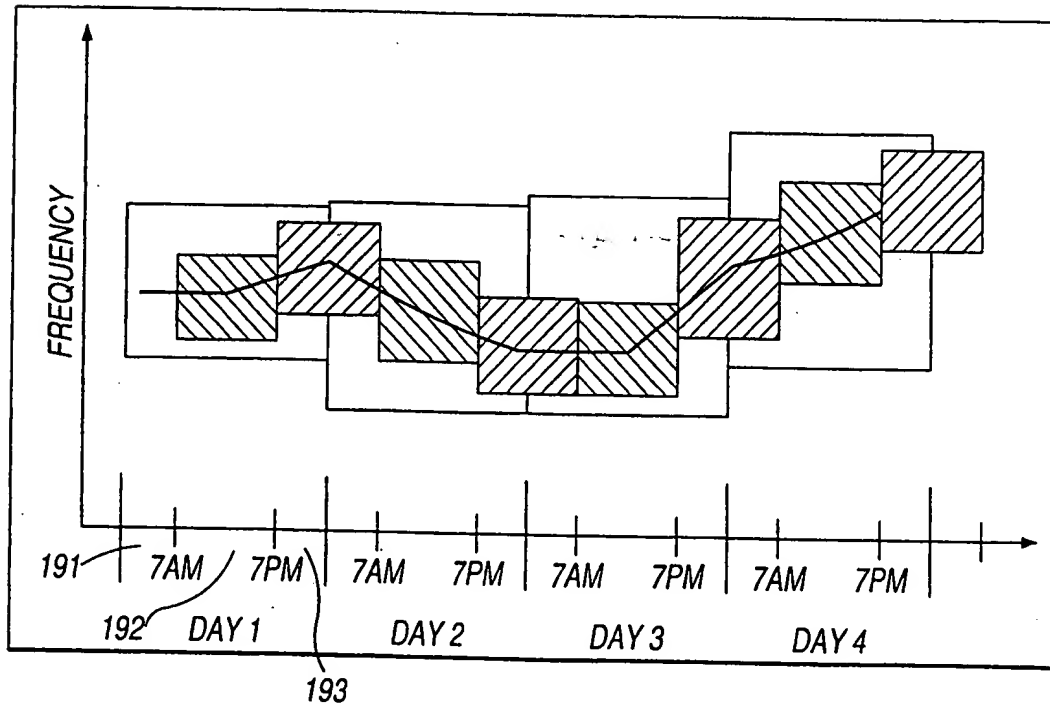


Fig.13

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PROFILE FIELD NO.	ATTRIBUTE	COVERAGE TIME PERIOD	TYPE	RANGE
1	% LOCAL		FLOAT	0.00 — 1.00
2	% NATIONAL		FLOAT	0.00 — 1.00
3	% INTERNATIONAL		FLOAT	0.00 — 1.00
4	TOTAL NUMBER OF CALLS		FLOAT	N/A
5	AVERAGE DURATION		FLOAT (NUMBER OF SECONDS)	N/A
6	NUMBER OF LONG CALLS		FLOAT	N/A
7	NO. OF CALL FORWARDS		FLOAT	N/A
8	% MONDAY	00:00:00 — 23:59:59	FLOAT	0.00 — 1.00
9	% TUESDAY	00:00:00 — 23:59:59	FLOAT	0.00 — 1.00
10	% WEDNESDAY	00:00:00 — 23:59:59	FLOAT	0.00 — 1.00
11	% THURSDAY	00:00:00 — 23:59:59	FLOAT	0.00 — 1.00
12	% FRIDAY	00:00:00 — 23:59:59	FLOAT	0.00 — 1.00
13	% SATURDAY	00:00:00 — 23:59:59	FLOAT	0.00 — 1.00

Fig.12

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08/888, 3A/

14	% SUNDAY	00:00:00 — 23:59:59	FLOAT	0.00 — 1.00
15	% 7AM -> 7PM MONDAY	07:00:01 — 19:00:00	FLOAT	0.00 — 1.00
16	% 7PM MONDAY -> 7AM TUESDAY	19:00:01 — 07:00:00	FLOAT	0.00 — 1.00
17	% 7AM -> 7PM TUESDAY	07:00:01 — 19:00:00	FLOAT	0.00 — 1.00
18	% 7PM TUESDAY -> 7AM WEDNESDAY	19:00:01 — 07:00:00	FLOAT	0.00 — 1.00
19	% 7AM -> 7PM WEDNESDAY	07:00:01 — 19:00:00	FLOAT	0.00 — 1.00
20	% 7PM WEDNESDAY -> 7AM THURSDAY	19:00:01 — 07:00:00	FLOAT	0.00 — 1.00
21	% 7AM -> 7PM THURSDAY	07:00:01 — 19:00:00	FLOAT	0.00 — 1.00
22	% 7PM THURSDAY -> 7AM FRIDAY	19:00:01 — 07:00:00	FLOAT	0.00 — 1.00
23	% 7AM -> 7PM FRIDAY	07:00:01 — 19:00:00	FLOAT	0.00 — 1.00
24	% 7PM FRIDAY -> 7AM SATURDAY	19:00:01 — 07:00:00	FLOAT	0.00 — 1.00
25	% 7AM -> 7PM SATURDAY	07:00:01 — 19:00:00	FLOAT	0.00 — 1.00
26	% 7PM SATURDAY -> 7AM SUNDAY	19:00:01 — 07:00:00	FLOAT	0.00 — 1.00
27	% 7AM -> 7PM SUNDAY	07:00:01 — 19:00:00	FLOAT	0.00 — 1.00
28	% 7PM SUNDAY -> 7AM MONDAY	19:00:01 — 07:00:00	FLOAT	0.00 — 1.00

Fig. 12A

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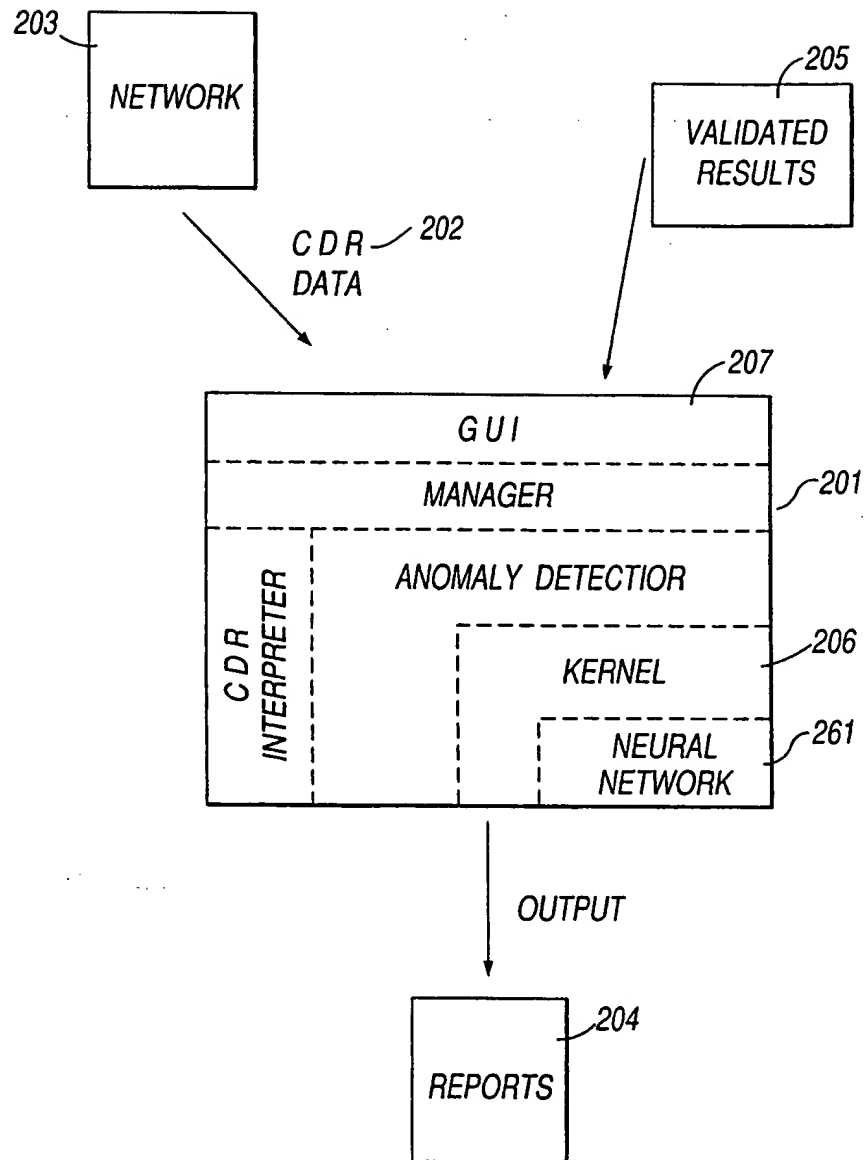


Fig. 14

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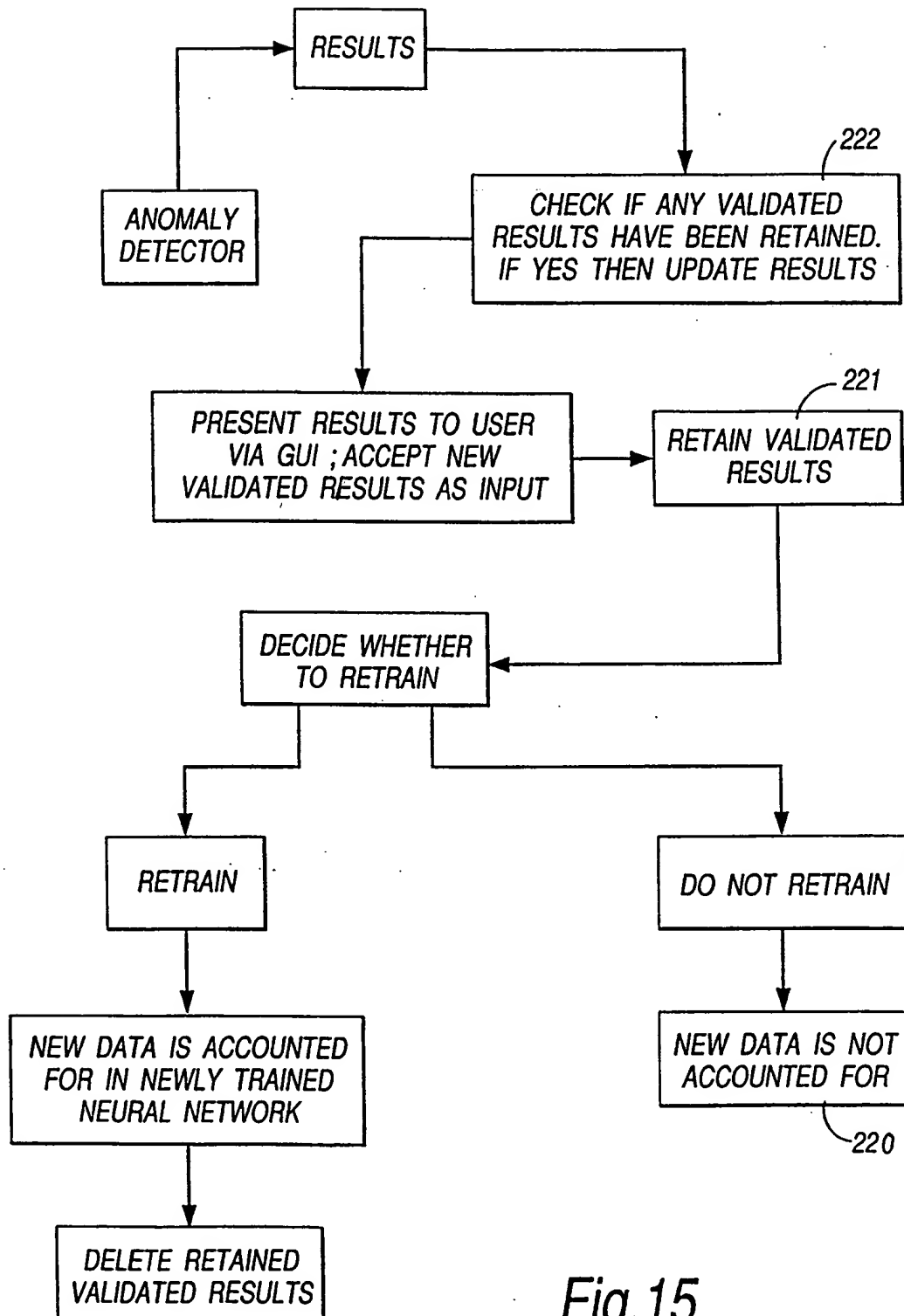


Fig.15

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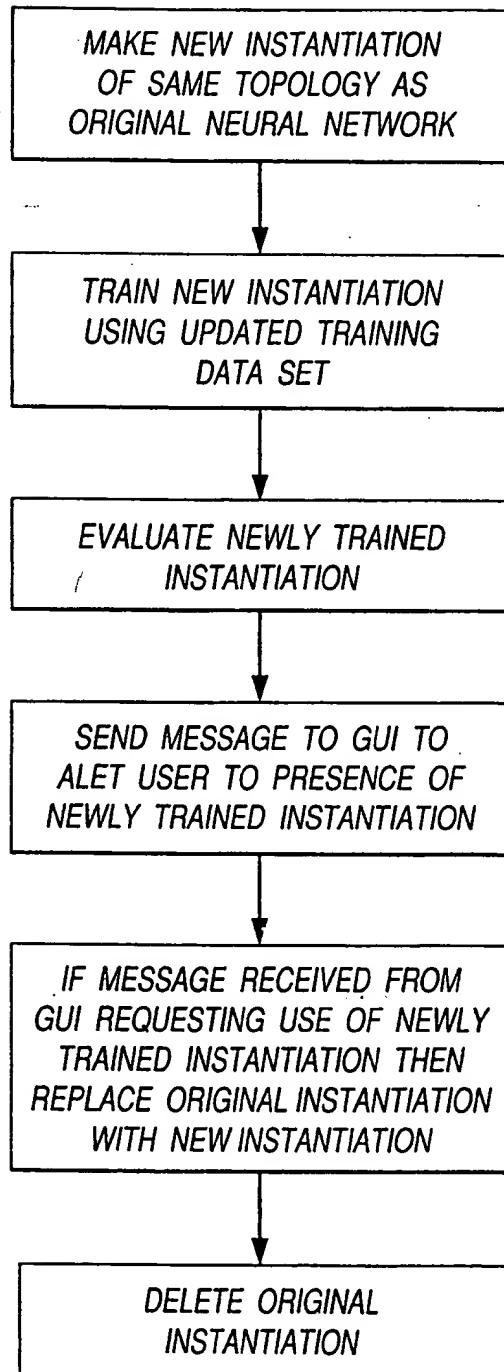


Fig. 16

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File Print Windows Help

File:  ☐ Date: 31-10-96 11:41 AM

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**Overall Statistics**

Accounts:	599
Fraudulent Behaviour:	46
Expected Behaviour:	553

**Selection Statistics**

Accounts:	16
Fraudulent Behaviour:	3
Expected Behaviour:	15

Coverager: ☒ all ☐ subset ☐ Individual

**Display**

☐ Fraudulent

☐ Expected

☒ Both

**Selection Criteria**

☐ All

☒ Confidence(%)

☐ Limit to

**Order**

☒ Confidence

☐ Duration

Number:

---

Account #	Behaviour	Confidence (%)	Duration (secs)	Validity
01279402460	Fraudulent	99.99	23027	Correct
01279402012	Expected	99.99	3027	Incorrect
01279403610	Fraudulent	99.99	91513	
01279403076	Fraudulent	99.99	23027	
01279402946	Fraudulent	99.99	15859	+ Fraud
01279403252	Fraudulent	99.99	253802	- Expected
01279402490	Fraudulent	99.99	23027	
01279402102	Expected	99.98	3027	
01279403210	Fraudulent	99.97	91513	
01279403046	Fraudulent	99.97	23027	
01279402046	Fraudulent	99.97	15859	
01279403259	Fraudulent	99.96	253802	

**Validation**

**Messages**

Fig.17

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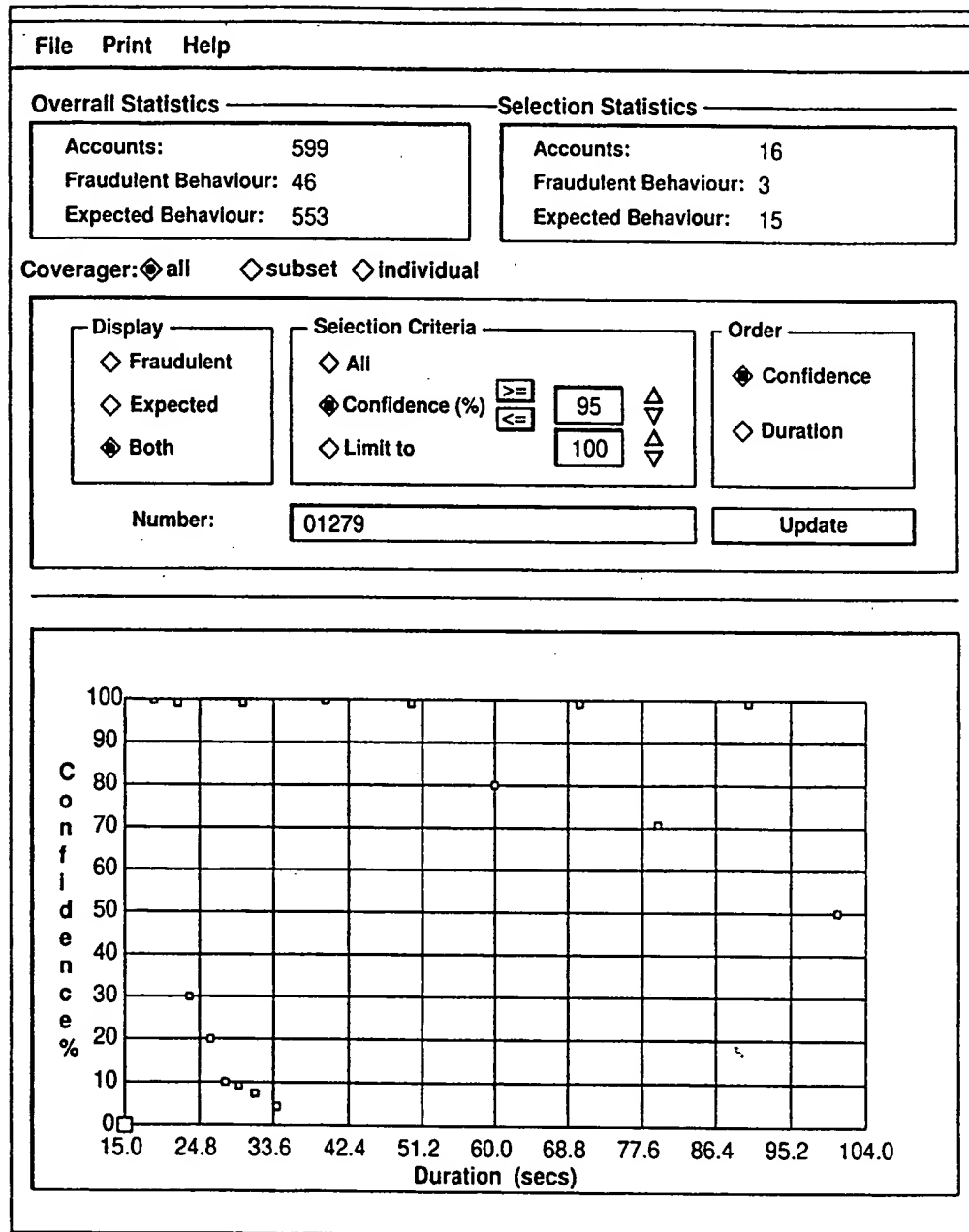


Fig.18